AFRL RESEARCHERS EARN STAR TEAM AWARD

An AFRL research team earned the Star Team Award for world-class contributions to the field of computational fluid dynamics (CFD). This award honors teamwork, research excellence, and contributions to the Air Force (AF) and national defense in the areas of science and engineering.

The Star Team Award is an annual award for teams of scientists, engineers, and technicians who achieve world-class status and sustain excellence in their chosen research areas. The award promotes research excellence and highlights the essential role that basic research plays within the AF. CFD refers to the use of advanced numerical techniques and powerful computers to solve the mathematical equations that govern phenomena such as airflow over an aircraft. CFD provides a means to visualize, analyze, and understand designs and their performance prior to their manufacture, which reduces the time and money required to produce the final product.

AFRL's Dr. Miguel Visbal and Dr. Datta Gaitonde lead the CFD research team, which consists of 11 full-time members and numerous distinguished collaborators. Together, they have won an Air Force Basic Research Award, six General Benjamin D. Foulois Awards, two American Institute of Aeronautics and Astronautics Outstanding Technical Achievement Awards, and numerous Best Paper Awards. During a single year, they published over 25 peer-reviewed journal articles, proceedings, and book chapters, as well as over 30 conference papers.

AFRL's CFD research team earned the Star Team Award for conducting revolutionary research and for leading CFD research both nationally and internationally. The team members made significant contributions to developing unmanned air vehicles, enhancing current aircraft systems, enabling high-speed flight, and improving access to space. They also earned numerous awards, citations, and invitations to present their work at national and international conferences.

Additional Information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (VA-S-06-05)
Air Vehicles/Awards and Recognition